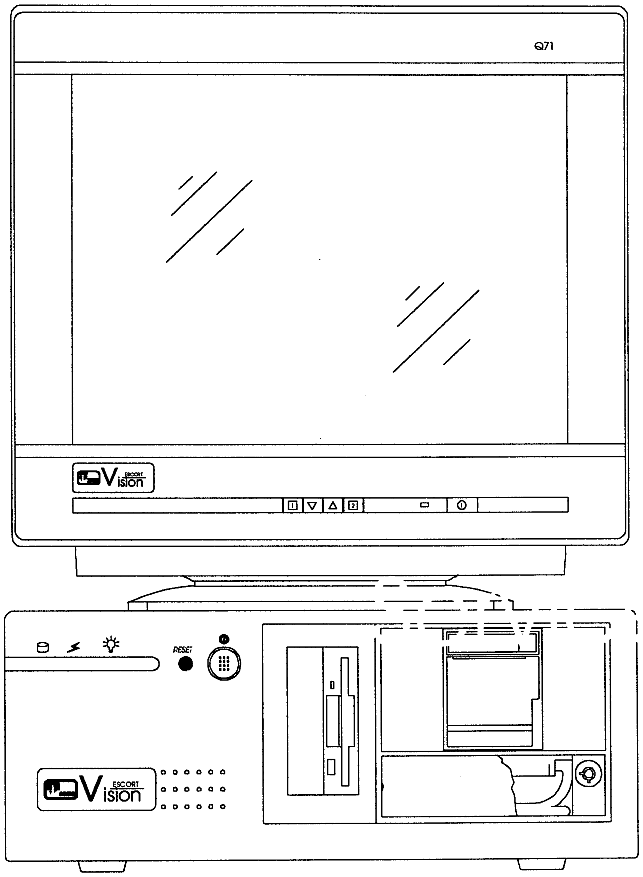
Service Manual
ESCORT Vision™
Central Station

P/N E9040-75


Q71
Vision
ESCORT
RESET

Model 20500-16

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WARRANTY

500-16 Central station is warranted against defects in
for a period of twelve (12) months from the date of shipment
atteries, cables, cuffs, and sensors are warranted three (3)
nt. Warranty is valid only to the original buyer. Defective
d freight prepaid to Medical Data Electronics. Equipment
s and assemblies will be either repaired or replaced. This
repair has been attempted or if the instrument has been
utside the environmental and power specifications for the
handling or use.

MDE giving full details of the difficulty, and include the
the device. Upon receipts of the shipping instructions,
nd repairs will be made at the factory.

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d warranty of merchantability, fitness, or adequacy for a
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Introduction

JCTION

00 Central Station

l 20500 Central Station and associated components form
M Wireless Network, providing centralized surveillance
portable bedside monitors. Patient vital signs and
viewing on the Vision Central Station display. The
gure the system for as many as 16 bedside monitors. All
cquired at the bedside monitors can be transmitted to the
pon request. Parameters and wave form data can be
including ECG, SpO_2, respiration and blood pressure.

the Vision Base, Vision Display, and the LINK Auxiliary
houses the system motherboard, VGA controller, Smart
Interface boards (PCBAs). Also installed in the Vision
lrive (HDD), system 3 ½" floppy disk drive (FDD),
ermal array recorder. The Central Station uses a 17" (or
y for program use and data presentation. The Vision
of 1280x1024 pixels and is equipped with both a
ace.

e Central Station and the bedside monitors are routed
se (LAB). The LAB is placed in close proximity to the
nd provides an external base for the transceiver module.
ssions to and from the Central Station.

pectrum radio communication technology, a method that
e U.S. Government for military applications. Spread
l over a wide range of frequencies in an operating
nd then collected onto their original frequency at the
ppear transparent to other transmissions in the area. This
re reliable communications while also eliminating

a five hundred millisecond (500 msec) RF cycle. During
etermines all communicating nodes (bedside monitors and
ll transmissions and, in the time remaining, performs
bytes of waveform data are transmitted at 120 Hz every